

<b>INFORMATION DISCLOSURE CITATION</b> (Use Several sheets if necessary) JUN 21 2004 PATENT & TRADEMARK OFFICE	Docket Number 13599-1	Application Number 10/779,357
	Applicant(s) BELL, Michael L. et al.	
	Filing Date February 12, 2004	Group Art Unit 2678 <b>1743</b>

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL*	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	A	4,772,561	09/20/1988	Genshaw	436	169	
	B	5,573,909	11/12/1996	Singer et al.	435	6	
	C	6,027,709	02/22/2000	Little et al.	424	1.65	
	D	6,028,190	02/22/2000	Mathies et al.	536	26.6	
<i>SP</i>	E	6,130,094	10/10/2000	Waggoner et al.	436	63	
	F						
	G						
	H						
	I						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	N
<i>JS</i>	J	EP 0609894	08/10/1994	Europe				
	K							
	L							
	M							
	N							
	O							
	P							
	Q							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

*JS*

DATE CONSIDERED

7-28-04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL*	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A	5,585,241	12/17/96	Lindmo				
	B	5,571,388	11/5/96	Patonay et al.				
	C	6,159,748	12/12/00	Hechinger				
	D	4,661,913	4/28/87	Wu et al.				
	E	5,162,863	11/10/92	Ito				
	F	4,745,285	5/17/88	Recktenwald et al.				
	G	5,028,545	7/02/91	Soini				
	H	5,880,474	3/9/99	Norton et al.				
	I	5,682,038	10/28/97	Hoffman				
	J	5,627,040	5/6/97	Bierre et al.				
	K	5,736,330	4/7/98	Fulton				
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	L	WO 99/37814	7/29/99					
	M	WO 99/19515	4/22/99					
	N	EP 0 670 374	05/13/98					
	O	EP 0 753 584	7/5/96					
	P							
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	Q	Strekowski, Lucjan, <i>Substitution Reactions of a Nucleofugal Group in Heptamethine Cyanine Dyes. Synthesis of an Isothiocyanate Derivative for Labeling of Proteins with a Near-Infrared Chromophore</i> , J. Org. Chem. 57, 4578-4580 (1992)						
	R	Slominskii, Y.L., <i>Polymethine Dyes with Hydrocarbon Bridges, Enamino Ketones in the Chemistry of Cyanine Dyes</i> , Journal of Organic Chemistry of the USSR, Vol. 19, No. 10, pp. 2134-2142 (1983)						
	S	Strekowski, Lucjan, <i>Facile Derivations of Heptamethine Cyanine Dyes</i> , Synthetic Communications, 22(17), 2593-2598 (1992)						
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<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A	2,887,479	5/19/59	Heseltine				
	B	2,895,955	7/21/59	Heseltine et al.				
	C	4,325,706	4/20/82	Gershman et al.				
	D	4,499,052	2/12/85	Fulwyler				
	E	4,729,947	3/8/88	Middendorf et al.				
	F	4,839,265	6/13/99	Ohno et al.				
	G	4,933,269	6/12/90	Parton et al.				
	H	5,037,734	8/6/91	Lenhard et al.				
	I	5,061,618	10/21/91	Parton et al.				
	J	5,207,880	5/4/93	Middendorf et al.				
	K	5,268,486	12/7/93	Waggoner et al.				
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	L							
	M							
	N							
	O							
	P							
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	Q	Slominskii, Y.L., <i>Tricarbocyanines with Hydrogen Rings in the Chromophore</i> , Journal of Organic Chemistry of the USSR, Vol. 40, NO. 6, pp. 625-628 (1974)						
	R	Arnold, Z., <i>Synthetic Reactions of Dimethylformamide. XXII. Formation and Preparation of Formyl Derivatives of Indene</i> , Collection Czechoslov. Chem. Commun., Vol. 30, 2783-2792 (1965)						
	S	Reynolds, G.A., <i>Stable Heptamethine Pyrylium Dyes That Absorb in the Infrared</i> , J. Org. Chem., Vol. 42, No. 5, 885-888 (1977)						
EXAMINER				DATE CONSIDERED <b>9-28-04</b>				
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*EXAMINER INITIAL*	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
9r	A	5,312,921	5/17/94	Glazer et al.				
	B	5,321,130	6/14/94	Yue et al.				
	C	5,366,603	11/22/94	Middendorf et al.				
	D	5,375,606	12/27/94	Slezak et al.				
	E	5,410,030	4/25/95	Yue et al.				
	F	5,556,959	9/17/96	Brush et al.				
	G	5,571,388	11/5/96	Patonay et al.				
	H	5,747,349	5/5/98	van den Engh et al.				
	I	5,808,044	9/15/98	Brush et al.				
	J	5,986,086	11/16/99	Brush et al.				
	K	6,048,982	4/11/00	Waggoner				
9r	L	4,882,265	11/21/89	Lagaanis et al.				
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							YES	NO
	M							
	N							
	O							
	P							
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9r	Q	Sosnovskii, G.M., <i>Synthesis of Meso-Substituted Tricarbocyanine Dyes With An Ortho-Phenylene Bridge In The Chromophore</i> , Journal of Organic Chemistry of the USSR, Vol. 19, No. 10, 1861-1864 (1983)						
9r	R	Makin, S.M., <i>Aminoformylation of Unsaturated Aldehydes 2-Alkoxyaldehydes and Their Acetals, and Keytones of the Alicyclic Series</i> , Journal of Organic Chemistry of the USSR, Vol. 13, No. 6, 1093-1096 (1977)						
9r	S	Webb, J.P., <i>Sixteen New Infrared Laser Dyes Excited By A Simple Linear Flashlamp</i> , Eastman Organic Chemical Bulletin, Vol. 46, No. 3, 1-6 (1974)						
EXAMINER <b>9r</b>				DATE CONSIDERED <b>7-28-04</b>				
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<u>JP</u>	A	4,973,572	11-27-90	DeBoer				
	B							
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	P							
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<u>JP</u>	Q	Russian reference by Tolmachev et al. (full cite is in Russian)						
<u>JP</u>	R	Narayanan, N., <i>A New Method for the Synthesis for Heptamethine Cyanine Dyes: Synthesis of New Near-Infrared Fluorescent Labels</i> , J. Org. Chem. 60, 2391-2395 (1995)						
<u>JP</u>	S	Strekowski, L., <i>Functionalization of Near-Infrared Cyanine Dyes</i> , . Heterocyclic Chem., 33, 1685-1688 (1996)						
EXAMINER <u>J. S.</u>				DATE CONSIDERED <u>9-28-04</u>				
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<u>Jo</u>	Q	Narayanan, N., <i>New Near Infrared Dyes for Applications in Bioanalytical Methods</i> , SPIC Vol. 2388, 6-15 (1995)						
<u>Jo</u>	R	Pierce, Brian M., <i>Lasing Properties of Several Near-IR Dyes for a Nitrogen laser-Pumped Dye Laser with an Optical Amplifier</i> , IEEE Journal of Quantum Electronics, Vol. QE-18, No. 7 (1982)						
	S							
EXAMINER <u>Jo. S.</u>				DATE CONSIDERED <u>9-28-09</u>				
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